CAG3008 PLANT PHYSIOLOGY

ASSIGNMENT 5: PLANT SECONDARY METABOLITES

1. Build a poster entitled “Plants Secondary Metabolites”.

In the poster provide:

a. What is Plant Secondary Metabolite?

b. List the general formula and function of each secondary metabolites below:

i. Terpenes

ii. Glycosides

iii. Phenylpropanoids

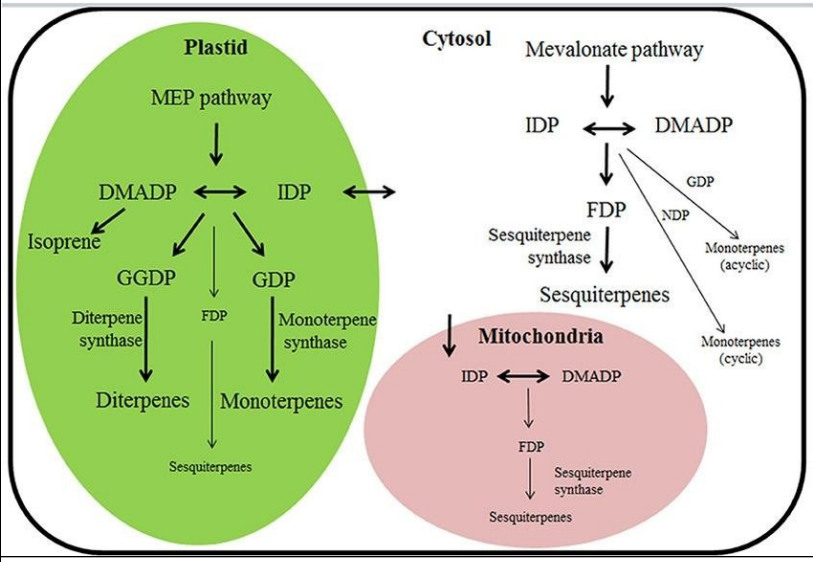
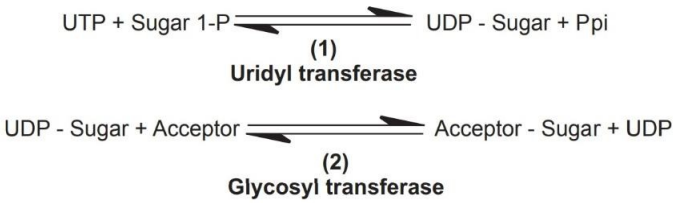
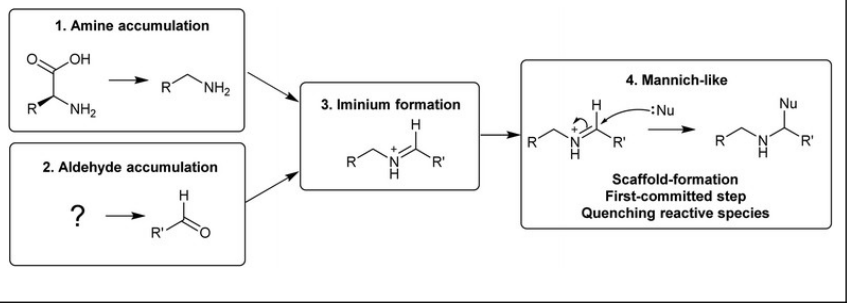
iv. Alkaloids

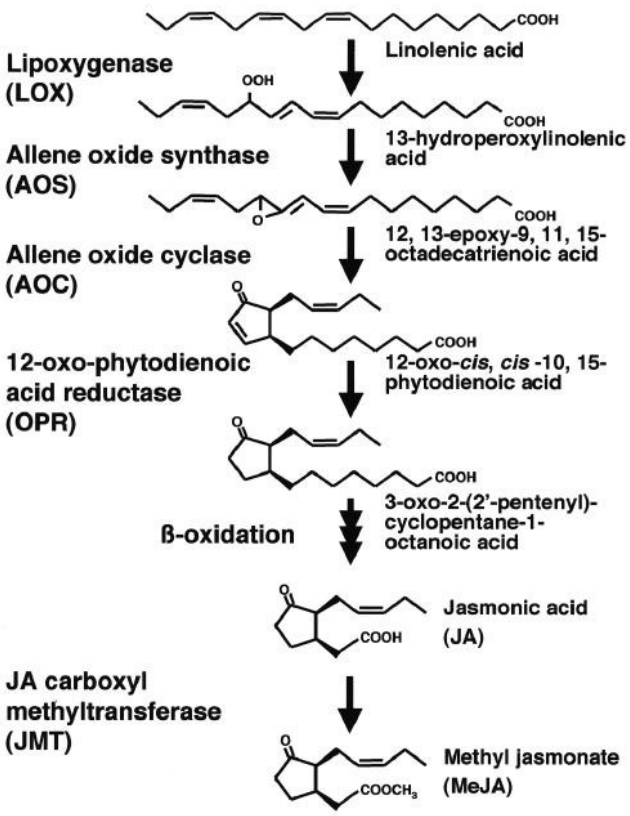
v. Jasmonates

c. Build a biosynthesis pathway of a plant showing the formation of each secondary metabolites.

Please submit this assignment to PutraBlast and the dateline for this assignment is on 06/01/2022.

c. Build a biosynthesis pathway of a plant showing the formation of each secondary metabolites.

No.	Secondary metabolite	Biosynthesis pathway
1	Terpenes	
2	Glycosides	
3	Phenylpropanoids	
4	Alkaloids	

5	Jasmonates	

References:

https://www.researchgate.net/figure/Terpene-biosynthetic-pathways-and-their-subcellular-compartmentalization-in-plants-Thick_fig3_305270766

https://www.pharmacy180.com/article/-biosynthesis-of-glycosides-92/

https://pubs.rsc.org/en/content/articlelanding/2021/np/d0np00031k#sch1

https://www.researchgate.net/figure/Pathway-for-the-biosynthesis-of-jasmonates_fig1_31464647